|  |  |
| --- | --- |
| COMPUTER SCIENCE IN BUSINESS - LIST OF SUBJECTS | |
| CODE | SUBJECT |
| A. COMPULSORY SUBJECTS | |
| P 01 | Maths |
| P 02 | Operational research |
| P 03 | Physics |
| P 04 | Microeconomics |
| P 05 | Macroeconomics |
| P 06 | Marketing |
| B. COURSES / GENERAL MODULES | |
| O 01 | GYM/ Physical education |
| O 02 | English language |
| O 03 | IT (Information Technology) |
| O 04 | A. Knowledge about Poland |
| B. Social anthropology |
| O 05 | Interpersonal communication |
| O 06 | Basics of entrepreneurship |
| O 07 | Intellectual property protection |
| C. COURSES / SPECIALITY MODULES | |
| K 01 | Management basics |
| K 02 | Basics of computer science |
| K 03 | Basics of programming in C language |
| K 04 | Finance and Accounting |
| K 05 | Production and service management |
| K 06 | Method management |
| K 07 | Human resource Management |
| K 08 | Project management |
| K 09 | Materials science |
| K 10 | Electrical engineering and electronics |
| K 11 | Engineering graphics and construction record |
| K 12 | Algorithms and data structures |
| K 13 | Architecture of computer systems |
| K 14 | Security of information systems |
| K 15 | Microprocessor systems and controllers |
| K 16 | 3D computer animation |
| K 17 | CAD / CAM systems |
| K 18 | Technical metrology and measurement systems |
| K 19 | Internet technologies |
| K 20 | Object-oriented programming |
| K 21 | Methods of artificial intelligence |
| K 22 | Computer networks and databases |
| K 23 | Operating Systems |
| K 24 | Computer financial and accounting systems |
| K 25 | Economics and organization of production |
| K 26 | CMS content management systems |
| K 27 | Logistics and forwarding |
| K 28 | Programming of CNC machines |
| K 29 | Software engineering |
| K 30 | Seminar |
| D. FACULTY COURSES TO CHOOSE / MODULE A or B | |
| KW 01 | **Subject / optional module 1** |
| A. Internet applications |
| B. Management in e-administration |
| KW 02 | **Subject / optional module 2** |
| A. Computer games |
| B. Banking and financial markets |
| KW 03 | **Subject / optional module 3** |
| A. Structural programming |
| B. IT project management |
| KW 04 | **Subject / optional module 4** |
| A. Internet infrastructure and network services |
| B. Financial Controlling |
| KW 05 | **Subject / optional module 5** |
| A. Modeling of logistics processes |
| B. Modeling of business processes |
| KW 06 | **Subject / optional module 6** |
| A. Network applications in Java |
| B. Methods and tools in enterprise management |
| KW 07 | **Subject / optional module 7** |
| A. Programming in C ++ |
| B. Database management systems |
| KW 08 | **Subject / optional module 8** |
| A. Programming of mobile applications |
| B. e - Logistics |
| KW 09 | **Subject / optional module 9** |
| A. Designing services in the cloud |
| B. Electronic business |
| KW 10 | **Subject / optional module 10** |
| A. Programming of computer games |
| B. Administering computer networks |
| KW 11 | **Subject / optional module 11** |
| A. Website graphics |
| B. Internet technologies in management and marketing |
| KW 12 | **Subject / optional module 13** |
| A. Computer graphics and visualization |
| B. Decision support systems |
| E. OTHER | |
| BHP | EHS training |
| BIBL | Library training |
| KW 05 | Subject in English |
| A. Modeling of logistics processes |
| B. Modeling of business processes |
| PZK | Professional vocational practice |
| PZS | Professional specialization practice |
| PPD | Writing a diploma thesis |
| EOPD | Examination and defense of the diploma thesis |